



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/540,278	01/23/2006	Christophe Mathieu	003D.0072.U1(US)	8862
29683 7590 06/19/2007 HARRINGTON & SMITH, PC 4 RESEARCH DRIVE SHELTON, CT 06484-6212			EXAMINER PHAN, THO GIA	
			ART UNIT 2821	PAPER NUMBER
			MAIL DATE 06/19/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/540,278

Applicant(s)

MATHIEU ET AL.

Examiner

Tho G. Phan

Art Unit

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 June 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4 and 6-15 is/are rejected.
- 7) ☒ Claim(s) 5 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>21 June 2005</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 2-3 and 9-15 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 2, line 2, the language, "it" lacks a proper antecedent basis.

In claim 3, line 4, the language, "it" lacks a proper antecedent basis.

In claim 9, line 8, the language, "it" lacks a proper antecedent basis.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-2, 4 and 6-14 are rejected under 35 U.S.C. 102(a) as being anticipated by Masafumi (JP2001202489) [submitted by Applicant].

Masafumi in figures 1-11 discloses an electrically conductive track 15a/16 printed on the support 12, the track originating at a first contact pad 15c and terminating at a second contact pad (figure 8), the first contact pad being connected to an auxiliary contact pad 15b (figure 7) via a conductive connection 25, the auxiliary contact pad being situated in the vicinity of the second contact pad and the conductive connection being intended to cross the track (figures 1 and 8), while being insulated from the track by an insulating strip 24/33 interposed by superimposition between the track and the connection, characterized in that the insulating strip is printed with at least one first recess 33a intended to receive the track or the connection and comprising, in the base of the recess, a slope 33a that connects one face of the strip with another face of the strip, further characterized in that it comprises at least one second recess 33d furnished with a slope that is oriented in the opposite direction in relation to the slope of the first recess (figure 11).

4. Claim 9 is rejected under 35 U.S.C. 102(a) as being anticipated by Bradley et al (EP0595549) [submitted by Applicant].

Bradley et al in figures 2-13 disclose an electrically conductive track 40 printed on the support 30a, the track originating at a first contact pad 34a and terminating at a second contact pad 36, the first contact pad being connected to an auxiliary contact pad 36a via a conductive connection 42a, the auxiliary contact pad being situated in the vicinity of the second contact pad (figure 2) and the conductive connection being intended to cross the track, while being insulated from the track by an insulating strip 44

interposed by superimposition between the track and the connection, characterized in that it comprises the following steps, carried out in the following order: the connection or the track is printed on the dielectric support, then the insulating strip is printed on the connection or on the track, then the track or the connection, respectively, is printed on the insulating strip (column 3+).

5. Claims 9-10 and 12 are rejected under 35 U.S.C. 102(e) as being anticipated by Kayanakis (US2002/0127423 A1) [cited by Applicant].

Kayanakis in figures 3-4 discloses an electrically conductive track 24 printed on the support 15, the track originating at a first contact pad (at 29) and terminating at a second contact pad 26, the first contact pad being connected to an auxiliary contact pad 28 via a conductive connection 27, the auxiliary contact pad being situated in the vicinity of the second contact pad (figure 3) and the conductive connection being intended to cross the track, while being insulated from the track by an insulating strip 25 interposed by superimposition between the track and the connection, characterized in that it comprises the following steps, carried out in the following order: the connection or the track is printed on the dielectric support, then the insulating strip is printed on the connection or on the track, then the track or the connection, respectively, is printed on the insulating strip (paragraph 0022).

Allowable Subject Matter

6. Claim 5 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

7. Claims 3 and 15 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The patents to Thevenot et al and Mathieu are cited as of interested and illustrated a similar structure to an antenna device.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tho G. Phan whose telephone number is 571-272-1826. The examiner can normally be reached on M-F, 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas Owens can be reached on (571) 272-1662. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

Art Unit: 2821

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Tho G Phan
Primary Examiner
Art Unit 2821

THO PHAN
PRIMARY EXAMINER